

## **ABSTRACT**

The present invention relates to a method of driving a photosensitive device comprising a matrix of photosensitive pixels distributed at the intersections of rows and columns of the matrix. The invention relates more particularly to the control of such devices used for the detection of radiological images. The method consists in subjecting the matrix to an image cycle that includes a reset phase prior to an image acquisition phase. The rows of the matrix are distributed in several groups, and during the reset phase, the method consists in resetting all the rows in any one group simultaneously and in resetting each group of rows in succession.